

## ASPIRATING AND MIXING OF LIQUIDS WITHIN A PROBE TIP

### ABSTRACT

Apparatus and a method for mixing a liquid within a disposable

5     aspirating probe tip so that most of the liquid is forced to move past a transition zone  
between two different inside diameters to cause rotational mixing. The apparatus and  
method can be used to provide agglutination of blood, which in turn can be used for  
blood typing. The probe tip can comprise a single integral piece, or two separate  
portions.

10    The transition zone can comprise a sharp demarcation between inside diameters, or a  
smooth one.

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